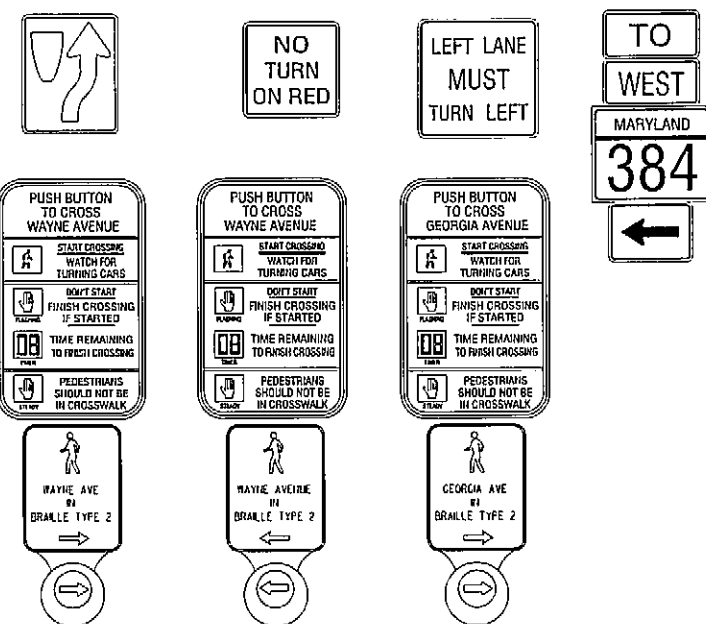
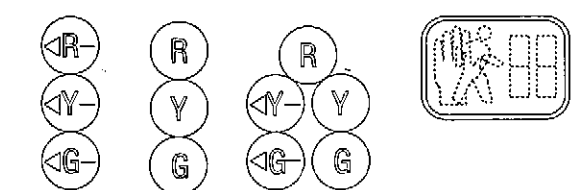


US 29 IS ASSUMED TO RUN IN
A NORTH/SOUTH DIRECTION

EXISTING SIGNS TO BE REMOVED



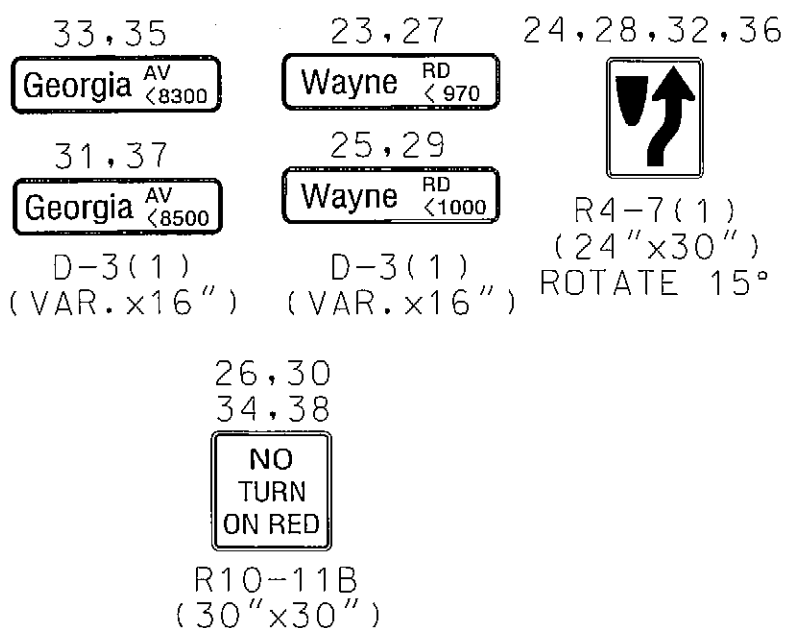
EXISTING SIGNALS TO BE REMOVED



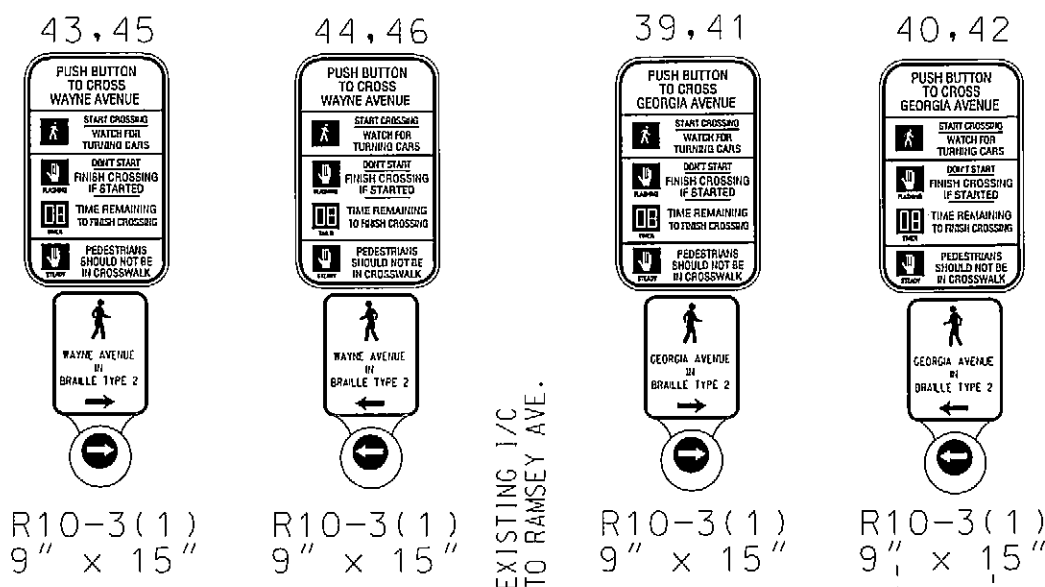
EXISTING VIDEO
DETECTION TO BE REMOVED

EXISTING TMC CAMERA
TO REMAIN

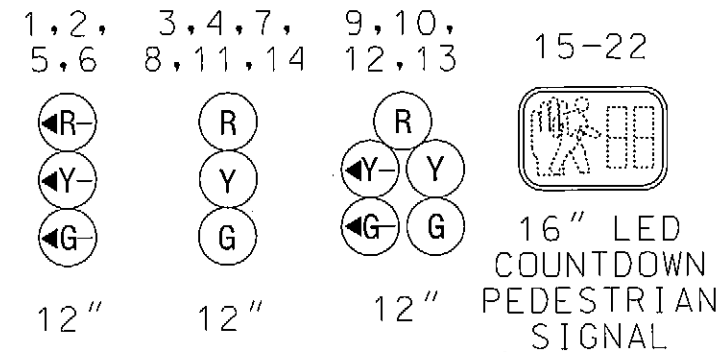
PROPOSED SIGNS



PROPOSED AUDIBLE SIGNS

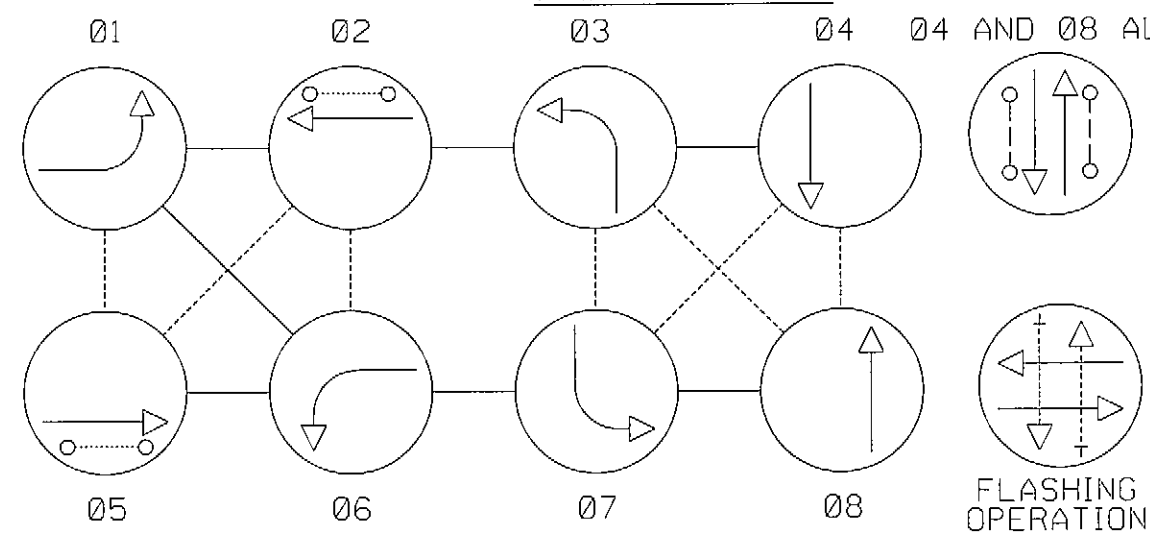


PROPOSED SIGNALS



PROPOSED VIDEO
DETECTION

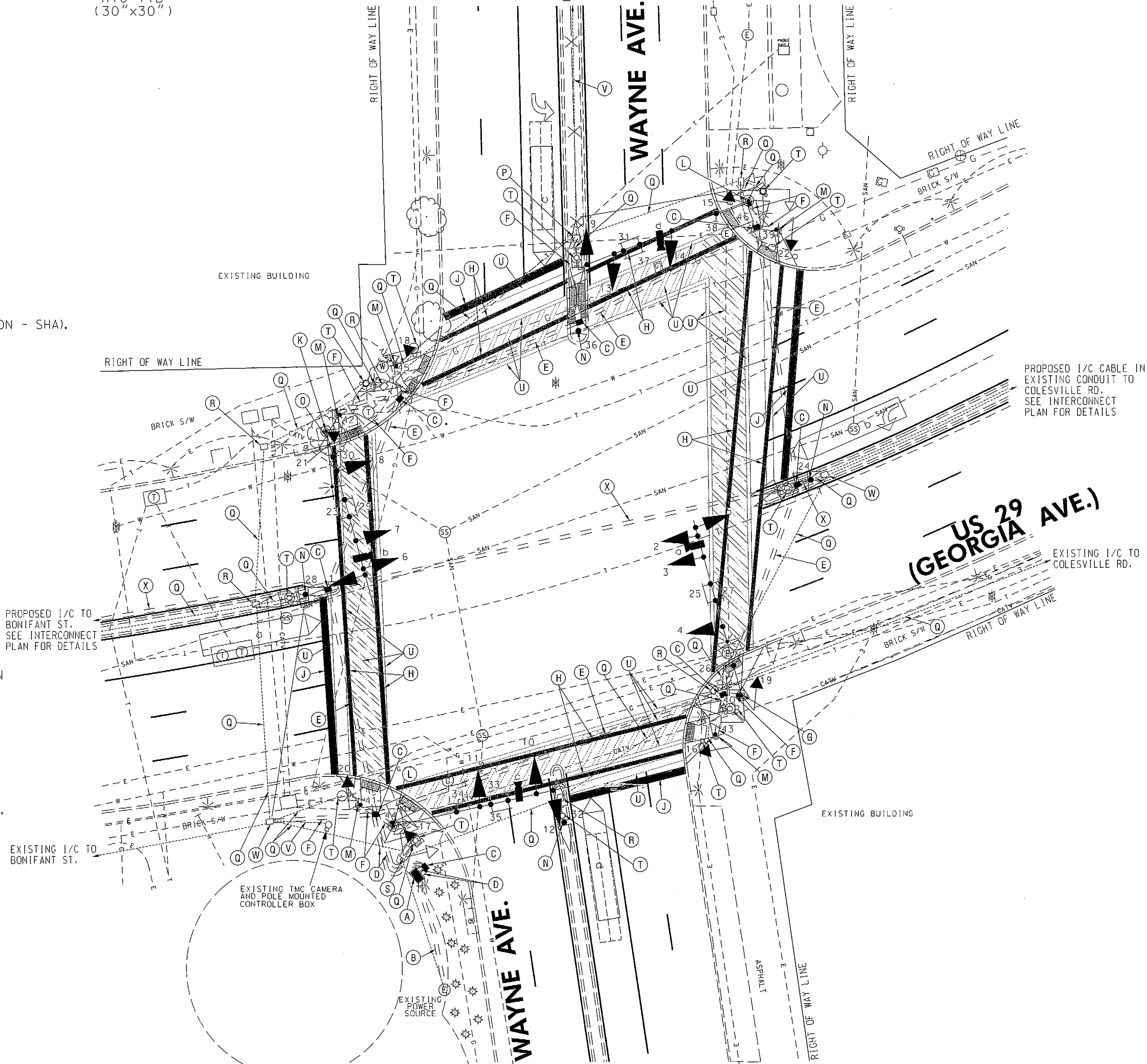
NEMA PHASING



NOTE:
PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE
CONCURRENTLY. PHASES ASSOCIATED BY A SOLID LINE
WILL NOT OPERATE CONCURRENTLY.

CONSTRUCTION DETAILS:

- INSTALL A NEMA SIZE 6 BASE MOUNTED CABINET AND CONTROLLER WITH ELECTRICAL UTILITY SERVICE EQUIPMENT FOR UNDERGROUND SERVICE. (NOTE: TWO-4 IN. PVC, AND TWO-2 IN. SCHEDULE 80 CONDUIT BENDS)
- INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT FROM MANHOLE TO TRAFFIC SIGNAL CABINET (SERVICE COORDINATED BY TRAFFIC OPERATIONS DIVISION - SHA).
- INSTALL HANDHOLE.
- INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED. (REMOVE AND RESET BRICK AS NECESSARY)
- INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - SLOTTED.
- INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED. (REMOVE AND RESET BRICK AS NECESSARY)
- INSTALL CONCRETE FOUNDATION FOR A 27 FT. STEEL POLE ("T" DIMENSION 15 FT. - MD STD. NO. 818.13-01) WITH 50 FT. MAST ARM, TRAFFIC SIGNAL HEADS, SIGNS, 15 FT. LIGHTING ARM, 250 WATT HPS LUMINAIRE, OVERHEAD VIDEO DETECTION CAMERA, PEDESTRIAN SIGNAL HEAD, AUDIBLE TACTILE PUSHBUTTON STATION AND SIGN (NOTE: POLE, MAST ARM, LIGHTING ARM AND STREET LIGHT HOUSING TO BE PAINTED TIGER DRYLACK GREEN RAL 6009, WITH TWO 3 IN. PVC SCHEDULE 80 CONDUIT BENDS).
- INSTALL 12 IN. WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS FOR CROSSWALKS.
- INSTALL 24 IN. WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS FOR STOP LINE.
- INSTALL CONCRETE FOUNDATION FOR A 27 FT. STEEL POLE ("T" DIMENSION 15 FT. - MD STD. NO. 818.13-01) WITH 50 FT. MAST ARM, TRAFFIC SIGNAL HEADS, SIGNS, 15 FT. LIGHTING ARM, 250 WATT HPS LUMINAIRE AND OVERHEAD VIDEO DETECTION CAMERA (NOTE: POLE, MAST ARM, LIGHTING ARM AND STREET LIGHT HOUSING TO BE PAINTED TIGER DRYLACK GREEN RAL 6009, WITH TWO 3 IN. PVC SCHEDULE 80 CONDUIT BENDS).
- INSTALL CONCRETE FOUNDATION FOR A 27 FT. STEEL POLE ("T" DIMENSION 15' - MD STD. NO. 818.13-01) WITH 50 FT. MAST ARM, TRAFFIC SIGNAL HEADS, VIDEO DETECTION CAMERA, PEDESTRIAN SIGNAL HEAD, AUDIBLE TACTILE PUSHBUTTON STATION AND SIGN (NOTE: POLE AND MAST ARM TO BE PAINTED TIGER DRYLACK GREEN RAL 6009, WITH TWO 3 IN. PVC SCHEDULE 80 CONDUIT BENDS).
- INSTALL CONCRETE FOUNDATION FOR 10 FT. STEEL PEDESTAL POLE WITH BREAKAWAY COUPLINGS (MD STD. NO. 818.16-01), COUNTDOWN PEDESTRIAN SIGNAL HEAD, AUDIBLE TACTILE PUSHBUTTON STATION AND SIGN (NOTE: POLE TO BE PAINTED TIGER DRYLACK GREEN RAL 6009) WITH ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND.
- INSTALL GROUND MOUNTED SIGN.
- REMOVE EXISTING TREE (STD. SPEC. FOR CONSTRUCTION AND MATERIALS 714)
- USING EXISTING HANDBOX, PULL BACK CABLE AND RE-ROUTE TO PROPOSED CABINET.
- CAP AND ABANDON EXISTING CONDUIT.
- REMOVE EXISTING HANDHOLE.
- REMOVE EXISTING BASE MOUNTED CONTROLLER, CABINET AND FOUNDATION 12 IN. BELOW GRADE AND BACKFILL. (RETURN CABINET AND ASSOCIATED EQUIPMENT TO MONTGOMERY COUNTY SIGNAL SHOP.)
- REMOVE EXISTING POLE AND FOUNDATION 12 IN. BELOW GRADE AND BACKFILL. (RETURN VIDEO DETECTION CAMERAS TO MONTGOMERY COUNTY SIGNAL SHOP.)
- REMOVE EXISTING PAVEMENT MARKINGS.
- USE EXISTING CONDUIT.
- USE EXISTING HANDHOLE.
- PROPOSED INTERCONNECT SHOWN FOR INFORMATION PURPOSE ONLY, SEE INTERCONNECT PLAN FOR CONDUIT DETAILS.



GENERAL NOTES:

- VIDEO CAMERA LOCATION/ALIGNING SHALL BE COORDINATED WITH THE PROJECT ENGINEER.
- THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
- FOR FINAL PAVEMENT MARKINGS REFER TO THE PAVEMENT MARKING PLANS, OTHER THAN THOSE DETAILED ON THE PLAN. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MSHA STANDARDS.
- ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL, EXCEPT THE ITEMS DETAILED IN EQUIPMENT LIST C.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
- THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS SHOULD ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
- ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS, HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCES AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT ALL SIGNAL EQUIPMENT REMOVED IN DECORATIVE BRICK SIDEWALK AREAS IS REPLACED WITH MATCHING DECORATIVE BRICK. IT IS RECOMMENDED THAT THE CONTRACTOR COORDINATE ALL DECORATIVE BRICK WORK WITH THE SILVER SPRING REGIONAL CENTER/URBAN DISTRICT. CONTACT YVETTE FREEMAN AT (240) 773-2080 OR (301) 565-7300.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE PEPCO POWER SERVICE AND THEN UTILIZE AN APPROVED PEPCO CONTRACTOR TO CONNECT THE POWER FEED FROM THE PEPCO MANHOLE TO THE METER SOCKET.
- WHEN FEASIBLE THE CABINET SHOULD BE ORIENTED TO FACE US 29. HOWEVER, THE FINAL LOCATION OF THE CABINET SHALL BE APPROVED BY THE PROJECT ENGINEER.
- ALL CONCRETE WORK THAT REQUIRES THE INSTALLATION OF A GROUND MOUNTED SIGN SHALL USE "SLEEVES" IN ACCORDANCE WITH MD 812.05-1 AND MD 812.05-2.
- MONTGOMERY COUNTY DPW&T WILL BE RESPONSIBLE FOR ALL SURVEILLANCE CAMERAS IN THE PROJECT LIMITS. THE CONTRACTOR SHALL CONTRACT MR. KAMAL HAMUD AT (240) 777-8761 72 HOURS PRIOR TO WORKING ON A SURVEILLANCE CAMERA LOCATION.
- SEE GEOMETRIC PLAN SHEET FOR THIS INTERSECTION: FOR APS NOTE, GEOMETRIC AND HANDICAP RAMP CONSTRUCTION DETAILS.



STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

US 29 (GEORGIA AVE) AT WAYNE AVE
TRAFFIC SIGNAL DESIGN
SILVER SPRING, MD

SIGNALIZATION PLAN SHEET

SCALE 1" = 20' DATE 08/09/02 CONTRACT NO. BW996M82

DESIGNED BY COUNTY MONTGOMERY
DRAWN BY WT LOGMILE 15002900.67
CHECKED BY CA J721
F.A.P. NO. TMD NO.

TS NO. 4195D DRAWING 1 OF 3 SHEET NO. 2 OF 26

| APPROVALS | REVISIONS |
|------------------|--|
| TEAM LEADER | 07/09 TMS NO. J721 SHA NO. MD2165168 RECONSTRUCT SIGNAL AND SIGNAL SYSTEM |
| ASST. DIV. CHIEF | JB 08/25/06 TMS-HS&D SHAND, BW996M82 E/P PHASING FOR WAYNE AVE AND INSTALL CAMERAS |
| DIVISION CHIEF | KMP CSW SHA NO. MD7175185 REPLACE LOOP DETECTION WITH VIDEO CAMERAS |
| OFFICE DIRECTOR | |

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PLOTTED: Wednesday, July 15, 2009 AT 02:35 PM
FILE: p:\04-005 signals\us 29 thru silver spring\Wayne Ave\Drawings\CADD\Working\csg-P001_US29@WayneAve.dgn